

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/590710

In re application of

:

IAP5 Rec'd PCT/PTO 25 AUG 2006

Norikatu HAKAMATA

:

Mail Stop: PCT

Serial No. NEW

:

Attorney Docket No. 2006\_1409A

Filed August 25, 2006

:

INTERNAL COMBUSTION ENGINE  
HAVING FUEL INJECTION VALVE WITH  
MECHANISM FOR REGULATING NEEDLE  
VALVE SPRING FORCE, AND METHOD OF  
REGULATING FUEL INJECTION VALVE

[Corresponding to PCT/JP2005/003661

Filed February 25, 2005]

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application  
PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

ATTACHMENT D

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within three months of the filing date (or of entry into the National Stage) of the  
above-entitled application, **or**

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before the mailing of a first Office Action on the merits or the mailing of a first Office  
Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office  
Action or a Notice of Allowance or an action which otherwise closes prosecution in the  
application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which  
otherwise closes prosecution in the application, and prior to payment of the issue fee, and  
thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

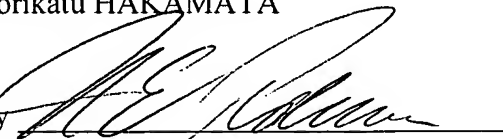
a. ☐ that each item of information contained in this Information Disclosure  
Statement was first cited in any communication from a foreign patent office in a  
counterpart foreign application not more than three months prior to the filing of  
the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement  
was cited in a communication from a foreign patent office in a counterpart  
foreign application and, to the knowledge of the person signing the certification  
after making reasonable inquiry, was known to any individual designated in  
§1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☒ a full or partial English language translation submitted herewith,
  - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☒ the concise explanation contained in the specification of the present application at page 2,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:
- JP 2-81948 corresponds to U.S. 4,962,890; and  
JP 10-9093 corresponds to GB 2 311 557.
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

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By 

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August 25, 2006

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: August 25, 2006

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SERIAL NO.

APPLICANT  
Norikatu HAKAMATAFILING DATE  
August 25, 2006

GROUP

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,962,890	10/1990	Shindo et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AC						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	2-81948	3/1990	JP				
	AK	10-9093	1/1998	JP				
	AL	2 311 557	10/1997	GB				
	AM	5-195906	8/1993	JP			X	
	AN							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED